

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET
NO. 0390112SERIAL NO.
08/409,074APPLICANT
PETER J. JESSUP ET AL.FILING DATE
Mar. 22, 1995GROUP
1106

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

AA

"Carbon Monoxide Linked to Heart Failure in Elderly," The Orange County Register, October 10, 1995, one page.

AB

"Southland Smog: Causes and Effects," the South Coast Air Quality Management District, two pages.

AC

"CARB Says Phase 2 RFG Reduces Cancer Risk by 30%-40%," Octane Week, September 18, 1995, page 8.

AD

Testimony, Dr. Robert Zweig, Meeting of California Air Resources Board, November 21, 1991, Transcript pages i, ii, 129-134 and 353.

AE

Morton Lippmann, "Health Effects of Ozone: A Critical Review," The Journal of the Air & Waste Management Association, Vol. 39, No. 5, May 1989, pp. 672-693.

AF

"Health Effects of Ozone: Critical Review Discussion Papers," The Journal of the Air & Waste Management Association, Vol. 39, No. 9, September 1989, pp. 1185-1194.

AG

F. L. Potter, "Clean Air Act History Marked by Battle, Compromise," Fuel Reformulation, Vol. 1, No. 1, Sept./Oct. 1991, pp. 22-25.

AH

J. E. Peeples, "A Brave New World for Fuel Reformulation," Fuel Reformulation, Vol. 1, No. 1, Sept./Oct. 1991, pp. 27-31.

AI

"EPA Administrator Points to Reformulated Fuels for Clean Air," Octane Week, Vol. V, No. 6, June 18, 1990, pp. 1 and 8.

AJ

"Clean Air Act Now Law; Refiners Busy Responding," Octane Week, Vol. V, No. 27, November 19, 1990, pp. 1, 4, and 6.

AK

"API: Industry 'Committed,' But Emissions Data Lacking," Octane Week, Vol. V, No. 25, November 5, 1990, pp. 1, 7, and 8.

Examiner:

Date Considered

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	BA	"Air Quality Designations and Classifications; Final Rule," Environmental Protection Agency, Federal Register, Vol. 56, No. 215, November 6, 1991, pp. 56695-56858.	
	BB	"Status of State Actions Regarding Ozone Nonattainment Areas: Likely Motor Fuels Options to be Submitted in State Implementation Programs," Octane Week, November 8, 1993, pp. 7-8.	
	BC	R. A. Corbett, "Auto/Oil Progressing Toward Cleaner Fuel Compositions," Fuel Reformulation, Vol. 1, No. 1, Sept./Oct. 1991, pp. 46-50.	
	BD	J. J. Wise, "Auto/Oil Program - Data and Knowledge - Growing Rapidly," Fuel Reformulation, Vol. 2, No. 3, May/June 1992, pp. 64-69.	
	BE	R. H. Pahl and M. J. McNally, "Fuel Blending and Analysis for the Auto/Oil Air Quality Improvement Research Program," SAE Technical Paper Series, 902098, International Fuels and Lubricants Meeting and Exposition, Tulsa, Oklahoma, October 22-25, 1990, pp. 1-11.	
	BF	"Phase II of Auto/Oil Will Include CNG, 'M100'," Octane Week, Vol. V, No. 27, November 19, 1990, pp. 1 and 3.	
	BG	"Emissions from Methanol Fuels and Reformulated Gasoline in 1993 Production Flexible/Variable Fuel and Gasoline Vehicles," Auto/Oil Air Quality Improvement Research Program, Technical Bulletin No. 13, August 1994.	
	BH	"Auto/Oil Group Set to Release First Batch of Test Data," Octane Week, Vol. V, No. 31, December 17, 1990, pp. 1 & 4.	
	BI	W. J. Koehl, J. D. Benson, V. Burns, R. A. Gorse, A. M. Hochhauser, and R. M. Reuter, "Effects of Gasoline Composition and Properties on Vehicle Emissions: A Review of Prior Studies - Auto/Oil Air Quality Improvement Research Program," SAE Technical Paper Series, 912321, International Fuels and Lubricants Meeting and Exposition, Toronto, Canada, October 7-10, 1991, pp. 1-33.	
	BJ	D. R. Lawson, P. J. Grobicki, D. H. Stedman, G. A. Bishop and P. L. Guenther, "Emissions from In- Use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program," Journal of the Air & Waste Management Association, Vol. 40, No. 8, August 1990, pp. 1096-1105.	
	BK	"1994 Air Quality," South Coast Air Quality Management District, two pages.	
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CA		"Reformulated Gasoline: Proposed Phase 1 Specifications," Technical Support Document, California Air Resources Board, August 13, 1990.
CB		W. J. Piel and R. X. Thomas, "Oxygenates for Reformulated Gasoline," Hydrocarbon Processing, July 1990, pp. 68-73.
CC		W. J. Piel, "Ethers Will Play Key Role in 'Clean' Gasoline Blends," Oil & Gas Journal, December 4, 1989, pp. 40-43.
CD		B. H. Eccleston and R. W. Hurn, "Comparative Emissions From Some Leaded and Prototype Lead-Free Automobile Fuels," United States Department of the Interior, Bureau of Mines, Report of Investigations 7390, 1970, pp. 1-24.
CE		R. K. Stone and B. H. Eccleston, "Vehicle Emissions vs. Fuel Composition," API-Bureau of Mines-Part II, 1969, pp. 651-690.
CF		"Motor-Fuel Composition and Photochemical Smog," API Publication 4247, Final Report (Part I), April 1975.
CG		"Motor-Fuel Composition and Photochemical Smog," API Publication 4247, Reference Data Report (Part 2), April 1975.
CH		W. F. Marshall and M. D. Gurney, "Effect of Gasoline Composition on Emissions of Aromatic Hydrocarbons," SAE Technical Paper Series, 892076, International Fuels and Lubricants Meeting and Exposition, Baltimore, Maryland, September 25-28, 1989, pp. 1-10.
CI		"Gasoline Consumption by State, 1991," National Petroleum News, Vol. 84, No. 7, Mid-June 1992, p. 94.
CJ		NIPER (National Institute for Petroleum and Energy Research) computer data regarding properties of summer gasolines from 1976-86 & 88-90 (688 pages).
CK		ASTM D 323 -89 "Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)".

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DA			ASTM D-86 - 82 "Standard Method for Distillation of Petroleum Products".
DB			ASTM D 4814 - 89 "Standard Specification for Automotive Spark-Ignition Engine Fuel".
DC			40 CFR Part 86, Subpart B, "Emission Regulations for 1977 and Later Model Year New Light-Duty Vehicles and New Light-Duty Trucks; Test Procedures".
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SHEET 1 OF 4

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U. S. PATENT DOCUMENTS															
*Exam Initial		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	Filing Date		
	AA	R	E	2	0	5	9	6	12/21/37	Taylor et al.					
	AB	2	4	0	1	9	8	3	06/11/46	Stanly et al.					
	AC	2	1	4	2	9	3	7	01/03/39	Deanesly et al.					
	AD	2	4	0	7	7	1	6	09/17/46	Marschner					
	AE	2	4	0	7	7	1	7	09/17/46	Marschner					
	AF	2	4	1	1	5	8	2	11/26/46	McCulloch					
	AG	2	4	9	5	6	4	8	01/24/50	Voge et al.					
	AH	2	9	3	9	8	3	6	06/07/60	Koome et al.					
	AI	2	9	4	4	0	0	3	07/05/60	Ritedishlj et al.					
	AJ	3	1	5	6	6	4	0	11/10/64	Hart					
	AK	4	4	2	9	1	7	3	01/31/84	Hutson et al.					
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							PUBLICA- TION DATE	COUNTRY	CLASS	SUB CLASS	TRANS. YES NO		
	AL														
	AM														
	AN														
	AO														
	AP														
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)															
	AR	Brown, J. E., Greenlee, E. W., Tindall, E. M., "Octane Numbers of Pure Hydrocarbon Blends and Their Relationship to Precombustion Reactions," American Petroleum Institute's Division of Refining, Vol. 42, [III] (1962).													
	AS	Fleming, R. D., Eccleston, D. G., "The Effect of Fuel Composition, Equivalence Ratio, and Mixture Temperature on Exhaust Emissions," SAE Technical Paper Series, 710012, Automotive Engineering Congress, Detroit, Michigan, January 11-15, 1971.													
	AT	Zaghini, M., Mangolini, S., Arteconi, M., and Sezzi, F., "Polynuclear Aromatic Hydrocarbons In Vehicle Exhaust Gas," SAE Technical Paper Series, 730836, National Combined Farm, Construction & Industrial Machinery and Fuels and Lubricants Meetings, Milwaukee, Wisconsin, September 10-13, 1973.													
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	BA	4	5	2	5	1	7	4	06/25/85	Croudace					
	BB	4	6	0	0	4	0	8	07/15/86	Jessup et al.					
	BC	4	6	0	2	9	1	9	07/29/86	Jessup et al.					
	BD	4	6	4	7	2	9	2	03/03/87	Jessup et al.					
	BE	4	7	2	0	2	8	8	01/19/88	Croudace et al.					
	BF	4	7	8	1	7	2	8	11/01/88	Jessup et al.					
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	BL														
	BM														
	BN														
	BO														
	BP														
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	BR	Morris, W. E., "The Interaction Approach to Gasoline Blending," presented at the National Petroleum Refiners Association Annual Meeting, San Antonio, Texas, March 23-25, 1975.													
	BS	Knaus, J. A., Lockerbie, T. E., Buerstetta, F. D., and Warren, T. W., "Road Octane Improvement - A Basis For Process Evaluation," presented at the Thirteenth Southwest Regional Meeting of the American Chemical Society, Tulsa, Oklahoma, December 5-7, 1957.													
	BT	Anglo-Iranian Oil Co., Ltd. et al., "High-Octane Aviation Fuel by the Sulfuric-Acid Alkylation Process," presented at the Twentieth Annual Meeting of the American Petroleum Institute in Chicago, Illinois, November 9-17, 1939.													
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	CA	Carr, R. C., Starkman, E. S., and Sawyer, R. F., "The Influence of Fuel Composition on Emissions of Carbon Monoxide and Oxides of Nitrogen," SAE Technical Paper Series, 700470, Mid-Year Meeting, Detroit, Michigan, May 18-22, 1970.	
	CB	Davis, H. P., Uyehara, O. A., and Myers, P. S., "The Effects of Knock On The Hydrocarbon Emissions Of A Spark-Ignition Engine," SAE Technical Paper Series, 690085, International Automotive Engineering Congress, Detroit, Michigan, January 13-17, 1969.	
	CD	Duke, L. C., Lestz, S. S., and Meyer, W. E., "The Relation Between Knock and Exhaust Emissions Of A Spark Ignition Engine," SAE Technical Paper Series, 700062, Automotive Engineering Congress, Detroit, Michigan, January 12-16, 1970.	
	CE	Nelson, E. E., "Hydrocarbon Control For Los Angeles By Reducing Gasoline Volatility," SAE Technical Paper Series, 690087, International Automotive Engineering Congress, Detroit, Michigan, January 13-17, 1969.	
	CF	Mulac, J. C., McCafferty, R. L., and Meyer, W.A.P., "Carburetor Evaporation Losses - Volatility and Reactivity," presented at the 31st Mid-Year Meeting of the American Petroleum Institute's Division of Refining, Houston, Texas, May 11, 1966.	
	CG	McKinney, C. M. and Blade, O. C., "Bureau of Mines - API Survey of Aviation Gasolines, 1969," SAE Technical Paper Series, 700228, National Business Aircraft Meeting, Wichita, Kansas, March 18-20, 1970.	
	CH	Adams, F. H., "New Technology Complements An Aliphatic Route To Future Gasolines," Proceedings of the American Petroleum Institute's Division of Refining, 1973. Presented at the 38th Mid-Year Meeting of the American Petroleum Institute's Division of Refining, Philadelphia, Pa., May 14-17, 1973.	
	CI	"Is Reformulated Gasoline A 'New' Gasoline, EPA-Office of Mobile Sources, Technical Overview, EPA 420-F-95, April 1995.	
	CJ	Zwicker, S. L., "Vapor Emission Controls," National Petroleum Refiners Association, FL-85-89. Presented at the 1985 Fuels & Lubricants Meeting, Houston, Texas, November 7-8, 1985.	
	CK	Oberfell, G. G. et al., "Thermal Alkylation and Neohexane," presented at the Twentieth Annual Meeting of the American Petroleum Institute, Chicago, Illinois, November 9-17, 1939.	
	CL	Duffy, L. J., Everett, M. R., Sevcik, J. J., and Piehle, F. J., "Keeping The Lead Out of Unleaded Gasolines," Proceedings of the American Petroleum Institute's Division of Refining, 1972. Presented at the 37th Mid-Year Meeting of the American Petroleum Institute's Division of Refining, New York, New York, May 8-11, 1972.	
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	DA		Gibbs, L. M., "The Impact of ASTM Specifications On State Motor Fuel Regulations," Proceedings of the American Petroleum Institute's Division of Refining, 1986. Presented at the 51st Mid-Year Meeting of the American Petroleum Institute's Refining Department, San Diego, California, May 12-15, 1986.
	DB		Croudace, M. C. and Jessup, P. J., "Studies of Octane Properties of Mixtures of Isomeric Hexanes," SAE Technical Paper Series, 881604, International Fuels and Lubricants Meeting and Exposition, Portland, Oregon, October 10-13, 1988.
	DC		Pendleton, P. O., "Automotive Gasoline Usage in Reciprocating Aircraft Engines," SAE Technical Paper Series, 871012, General Aviation Aircraft Meeting and Exposition, Wichita, Kansas, April 28-30, 1987.
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